

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT			1. Contract ID Code Cost-Plus-Fixed-Fee	Page 1 Of 8
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2. Amendment/Modification No. P00005	3. Effective Date 2004JAN21	4. Requisition/Purchase Req No. SEE SCHEDULE	5. Project No. (If applicable)
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6. Issued By TACOM WARREN BLDG 231 AMSTA-AQ-ABGD PAUL VESELENAK (586)574-7632 WARREN, MICHIGAN 48397-5000 HTTP://CONTRACTING.TACOM.ARMY.MIL EMAIL: VESELENP@TACOM.ARMY.MIL	Code W56HZV	7. Administered By (If other than Item 6) DCMA DETROIT U.S. ARMY TANK & AUTOMOTIVE COMMAND (TACOM) ATTN: DCMAE-GJD WARREN, MI 48397-5000	Code S2305A
		SCD C PAS NONE ADP PT HQ0337	

8. Name And Address Of Contractor (No., Street, City, County, State and Zip Code) TAL MATERIALS, INC.. 712 STATE CIRCLE ANN ARBOR, MI. 48108-1648 TYPE BUSINESS: Other Small Business Performing in U.S.	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>	9A. Amendment Of Solicitation No. 9B. Dated (See Item 11) 10A. Modification Of Contract/Order No. DAAE07-01-C-L084 10B. Dated (See Item 13) 2001SEP27
Code 07NH3 Facility Code		

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

☐ The above numbered solicitation is amended as set forth in item 14. The hour and date specified for receipt of Offers ☐ is extended, ☐ is not extended.

Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended by one of the following methods:
(a) By completing items 8 and 15, and returning _____ copies of the amendments: (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. **FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER.** If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. Accounting And Appropriation Data (If required)
ACRN: AD NET INCREASE: \$.00

13. THIS ITEM ONLY APPLIES TO MODIFICATIONS OF CONTRACTS/ORDERS
It Modifies The Contract/Order No. As Described In Item 14.

KIND MOD CODE: G

<input type="checkbox"/>	A. This Change Order is Issued Pursuant To: The Contract/Order No. In Item 10A.	The Changes Set Forth In Item 14 Are Made In
<input type="checkbox"/>	B. The Above Numbered Contract/Order Is Modified To Reflect The Administrative Changes (such as changes in paying office, appropriation data, etc.) Set Forth In Item 14, Pursuant To The Authority of FAR 43.103(b).	
<input checked="" type="checkbox"/>	C. This Supplemental Agreement Is Entered Into Pursuant To Authority Of: MUTUAL AGREEMENT	
<input type="checkbox"/>	D. Other (Specify type of modification and authority)	

E. IMPORTANT: Contractor ☐ is not, ☒ is required to sign this document and return _____ copies to the Issuing Office.

14. Description Of Amendment/Modification (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

SEE SECOND PAGE FOR DESCRIPTION

Except as provided herein, all terms and conditions of the document referenced in item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. Name And Title Of Signer (Type or print)		16A. Name And Title Of Contracting Officer (Type or print) JOHN M. HOPFNER HOPFNERJ@TACOM.ARMY.MIL (586)574-7070	
15B. Contractor/Offeror (Signature of person authorized to sign)	15C. Date Signed	16B. United States Of America By _____ /SIGNED/ (Signature of Contracting Officer)	16C. Date Signed 2004JAN21

NSN 7540-01-152-8070
PREVIOUS EDITIONS UNUSABLE

30-105-02

STANDARD FORM 30 (REV. 10-83)
Prescribed by GSA FAR (48 CFR) 53.243

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Name of Offeror or Contractor: TAL MATERIALS, INC..

SECTION A - SUPPLEMENTAL INFORMATION

CONTRACT FOR: Carbon Particle Suspension

PRIOR AMOUNT OBLIGATION: \$87,854.40

AMOUNT OBLIGATED THIS ACTION: \$ 0.00

TOTAL AMOUNT OBLIGATED: \$87,854.40

1. The purpose of this no-cost, bilateral Modification P00005 to Contract DAAE07-01-C-L084 are:

a) To transfer funds currently dedicated on approved work directive TAL-0002 by eliminating a total of 100 level of effort hours which aren't needed and using the funds represented by the deleted 100 hours to purchase materials which have cost more than was expected.

b) To change the Contracting Officer's Technical Representative (COTR) listed for this contract from Mr. Andrew Clements to Mr. Thomas Whittaker III.

c) To extend out the due date for the final report and for contract completion from the previous date of 30 Dec 03 to the new date of 15 Feb 04, with a corresponding extension in the due date for the draft final report from 30 Nov 03 to 15 Jan 04.

2. As a result of the funds switch described in paragraph 1(a) above there is no change in the tasks being performed under work directive TAL-0002 and no change in the overall amount obligated on that work directive. This modification simply shifts existing funds from level of effort hours (which were overestimated) to materials (which were underestimated). This modification also implements the change in COTRs on this contract, with Mr. Whittaker being the new COTR. Finally, this modification extends the completion date of the contract from 30 Dec 03 to the new completion date of 15 Feb 04 to allow completion of the final report by the contractor.

3. To implement this modification the following changes are made in the contract:

a. In Section B reduce SubCLIN 0001AC by an amount of \$4,623.00, from the previous total amount of \$41,854.40, to the new revised total amount of \$37,231.40 for that SubCLIN. This reduction is achieved by eliminating 100 engineer level of effort hours (\$43.14/hr plus \$3.09/hr in fixed fee multiplied by 100 hours).

b. In Section B add a new SubCLIN 0002AD in the amount of \$4,623.00 to fund materials costs for work directive TAL-0002. The \$4,623.00 added in SubCLIN 0002AD consists of the same amount which was deleted from SubCLIN 0001AC, as described in paragraph 2a above.

c. In Section B revise the completion dates for CLINs 0001AC and 0002AD from 30 Dec 03 to the new date of 15 Feb 04.

d. In Section F revise Provision F.3 to extend the contract completion date to 15 Feb 04. Provision F.1.2 is changed to list Mr. Whittaker as the new COTR.

e. In Section G Provision G-5 is revised to show this fund transfer and the changes made in level of effort hours, direct labor cost, fixed fee, and materials, once this modification has been executed.

f. Section G is revised to show the accounting and appropriations data which reflect this fund transfer and which lead to no change in the overall amount of this contract.

g. The "Communications" clause in Section G is changed to list Mr. Whittaker as the new COTR.

4. Simultaneously, with the execution of this modification the contracting officer has approved, in Revision 001, the following changes in work directive TAL-0002:

Paragraph 4(g)(4): Extend the due date for the draft final report for TAL-0002 from 30 Nov 03 to the new date of 15 Jan 04

Paragraph 4(i): Extend the completion date for the final report for TAL-0002 from 30 Dec 03 to the new date of 15 Feb 04.

Paragraph 5: Reduce the engineering hours by 100 hours, from 480 hours to 380 hours. Reduce the overall total level of effort hours for the work directive from 800 hours to 700 hours.

Paragraph 6: Increase the estimated materials cost for work directive TAL-0002 by \$4,623.00, from the previous amount of \$5,000 to the new revised total amount of \$9,623.00.

Paragraph 7: Revise to list the new completion date for TAL-0002 of 15 Feb 04.

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- 5. As a result of Modification P00005 the total amount of Contract DAAE07-01-C-L084 remains \$87,854.40.
- 6. The effective date of this Modification P00005 is 30 Dec 03.
- 7. All other terms and conditions of the contract, as previously modified, remain unchanged.

*** END OF NARRATIVE A 005 ***

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Name of Offeror or Contractor: TAL MATERIALS, INC..

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0001AC	<p>SECTION B - SUPPLIES OR SERVICES AND PRICES/COSTS</p> <p><u>SERVICES LINE ITEM</u></p> <p>NOUN: NANO-CARBON SUSP WD #2 PRON: E132C160EH PRON AMD: 02 ACRN: AD AMS CD: 622601C0511</p> <p><u>Inspection and Acceptance</u> INSPECTION: Destination ACCEPTANCE: Destination</p> <p><u>Deliveries or Performance</u> DLVR SCH PERF COMPL REL CD QUANTITY DATE 001 0 15-FEB-2004</p> <p>\$ 37,231.40</p>				\$ 37,231.40
0002AD	<p><u>SERVICES LINE ITEM</u></p> <p>NOUN: MATERIALS COST WD TAL-0002 PRON: E132C160EH PRON AMD: 02 ACRN: AD AMS CD: 622601C0511</p> <p>Funding to pay the cost for materials for performance on approved work directive TAL-0002, per Revision 001.</p> <p>(End of narrative B001)</p> <p><u>Inspection and Acceptance</u> INSPECTION: Destination ACCEPTANCE: Destination</p> <p><u>Deliveries or Performance</u> DLVR SCH PERF COMPL REL CD QUANTITY DATE 001 0 15-FEB-2004</p> <p>\$ 4,623.00</p>				\$ 4,623.00

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SECTION F - DELIVERIES OR PERFORMANCE

F.1 DATA

- F.1.1 The Contractor shall submit all reports electronically in accordance with the Contract Data Requirements List (CDRL), DD Form 1423.
- F.1.2 All data items required herein that cannot be submitted electronically shall be delivered FOB Destination in accordance with the Contract Data Requirements List (CDRL), Exhibit A, to the following address:

Commander
 U.S. Army Tank-automotive Command and Armaments Command
 ATTN: AMSTA-TR-R/MS-263 (Mr. Thomas Whittaker III)
 Warren, MI 48397-5000

F.2 DELIVERABLES

- F.2.1 The Contractor shall provide carbon suspense particles as required under individual Work Directives, in accordance with Provision C.4.1.
- F.2.2 The Contractor shall prepare and submit progress reports under individual Work Directives every 60 days, in accordance with Data Item A001, Exhibit A, and Provision C.4.2.1, unless a different reporting frequency is specified in an individual Work Directive.
- F.2.3 The Contractor shall prepare and submit draft Final Reports and Final Reports under individual Work Directives, in accordance with Data Item A002, Exhibit A and Provision C.4.2.2 of the contract.
- F.2.4 The contractor shall prepare and deliver other reports as required under individual Work Directives, in accordance with Provision C.4.2.3.

F.3 PERIOD OF PERFORMANCE

All work required under the basic contract will be completed by February 15, 2004.

*** END OF NARRATIVE F 001 ***

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SECTION G - CONTRACT ADMINISTRATION DATA

LINE	PRON/ AMS CD/ ITEM MIPR	ACRN	OBLG STAT/ JOB ORD NO	PRIOR AMOUNT	INCREASE/DECREASE AMOUNT	CUMULATIVE AMOUNT
0001AC	E132C160EH 622601C0511	AD	1 32C160	\$ 41,854.40	\$ -4,623.00	\$ 37,231.40
0002AD	E132C160EH 622601C0511	AD	1 32C160	\$ 0.00	\$ 4,623.00	\$ 4,623.00
			NET CHANGE	\$ 0.00		

SERVICE NAME	NET CHANGE BY ACRN	ACCOUNTING CLASSIFICATION	ACCOUNTING STATION	INCREASE/DECREASE AMOUNT
Army	AD	21 32040000036D7675P622601255Y S20113	W56HZV	\$ 0.00
			NET CHANGE	\$ 0.00

	PRIOR AMOUNT OF AWARD	INCREASE/DECREASE AMOUNT	CUMULATIVE OBLIG AMT
NET CHANGE FOR AWARD:	\$ 87,456.00	\$ 0.00	\$ 87,456.00

Status	Regulatory Cite	Title	Date
G-1 CHANGED	52.242-4016 (TACOM)	COMMUNICATIONS	MAY/2000

(a) Communications on technical matters pertaining to the contract shall be direct between the contractor and the Technical Representative. Communications for the Technical Representative shall be addressed to:

Name: Mr. Thomas Whittaker III
TACOM
AMSTA-TR-R, MS 263
Warren, MI 48397-5000

e-mail: whittakp@tacom.army.mil

(b) The Administrative Contracting Officer's (ACO) name and email address are also provided if known at this time:

ACO: Ms. Carrie Zunk
DCMC Detroit -(Ann Arbor Office)
727 Airport Blvd.
Ann Arbor, MI 48108-1639

Phone: (734) 741-2004
e-mail: czunk@dcmdc.dcma.mil

(c) Please see the appointment letters prepared at time of contract award for functions the Technical Representative and ACO will perform on this contract.

[End of Clause]

G-5 BREAKDOWN OF LOE HOURS

BASIC CONTRACT

To date, including the hours awarded under Modification P00004,and including the 100 engineering hours removed by Modification P00005, a total of 1,310 Level of Effort (LOE) hours were awarded under CLIN 0001 as follows for performance on approved Work Directives (WD) TAL-0001 and TAL-0002 as follows under CLIN 0001:

DIRECT LABOR, OVERHEAD & FIXED FEE

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Name of Offeror or Contractor: TAL MATERIALS, INC..		

Work Directive TAL-0001:

Estimated Cost:

Senior Scientist: 340 hours at \$55.36/hr = \$18,822.40 *
 Engineer: 270 hours at \$41.09/hr = \$11,094.30 *

 Total = \$29,916.70 *

* See "COST OVERRUN" Paragraph below for adjustments to these amounts made to final billing under CLIN 0001 for Work Directive TAL-001.

Fixed Fee:

To date a total of \$1,793.40 has been awarded under CLIN 0001, as follows, for performance on approved Work Directive (WD) TAL-0001:

Total Fixed Fee = \$2.94/hr X 610 hours = \$1,793.40

CLIN 0001AA Total = \$29,916.70 (estimated cost) + \$1,793.40 (fixed fee) = \$31,710.10

COST OVERRUN *

An amount of \$2,591.50 has been added by Modification P00003 on SubCLIN 0001AB to fund a cost overrun on Work Directive TAL-001. This amount of \$2,591.50 consists of the following breakdown:

0002AB/Materials: \$213.25

0001AB/Direct Labor:

Senior Scientist: 63 hours @ 55.36/hr = \$3,487.68
 Engineer: (27)hours @ 41.09/hr =(\$1,109.43)

 0001AB Total = \$2,378.25

Total Cost Overrun, 0001AB (excluding materials) = \$2,378.25

The cost overrun was caused by the contractor working 63 more Senior Scientist hours than expected and 27 fewer Engineer hours than expected, plus incurring an additional \$213.25 in material costs.

The adjusted amounts for Cost as a result of funding for the cost overrun are:

Senior Scientist: 403 hours at \$55.36/hr = \$22,310.08
 Engineer: 243 hours at \$41.09/hr = \$ 9,984.87

 Total = \$32,294.95

Work Directive TAL-0002:

Estimated Cost:

Senior Scientist: 320 hours at \$58.36/hr = \$18,675.20
 Engineer: 380 hours at \$43.14/hr = \$16,393.20 **

 Total = \$35,068.40

Fixed Fee: 700 hours at \$ 3.09/hr = \$ 2,163.00 **

Total Estimated Cost & Fixed Fee = \$37,231.40 **
(except materials)

Name of Offeror or Contractor: TAL MATERIALS, INC..

CLIN 0001 Totals to Date:	Awarded under 0001AA (WD TAL-0001)	=	\$31,710.10
	Awarded under 0001AB (cost overrun)	=	\$ 2,378.25
	Awarded under 0001AC (WD TAL-0002)	=	\$37,231.40 **

** - Changed under Modification P00005 which deleted 100 engineering level of effort hours at a rate of \$43.14/hr and a fixed fee of \$3.09/hr and transferred this total amount of \$4,623.00 (\$43.14/hr + \$3.09/hr x 100 hours) to new SubCLIN 0002AD (see "Materials and Travel Cost" just below) to fund for greater than expected materials costs under work directive TAL-0002.

OPTION

The full amount of 800 LOE hours has been exercised under Modification P00004. Zero (0) LOE hours remain available for future exercise under the option.

MATERIALS AND TRAVEL COST (CLIN 0002):

Amount for Materials and Travel Cost awarded to date:

Awarded under SubCLIN 0002AA for WD TAL-0001	=	\$ 6,300.00
Awarded under SubCLIN 0002AB to fund cost overrun on WD TAL 0001	=	\$ 213.25
Awarded under SubCLIN 0002AC for WD TAL-0002	=	\$ 5,000.00
Transferred to SubCLIN 0002AD from SubCLIN 0001AC for WD TAL-0002	=	\$ 4,623.00 **

** - Changed under Modification P00005